

GODLWESKI, Jozef; ZOGALA, Emilia; KORMOBIS, Krystyna

Bone marrow in anemias of infectious origin in infants. Polski
tygod.lek. 10 no.33:1084-1087 15 Aug '55.

1. Z Miejskiego Specjalistycznego Szpitala Dziecięcego im.
J. Korssaka we Wrocławiu; ordynator: dr med. J. Godlewski.

Wrocław, Miejski Szpital Dziecięcy im. J. Korssaka.

(ANEMIA, in infant and child,
bone marrow in anemias of infect.origin)

(BONE MARROW, in various diseases,
anemias of infect. origin-in inf.)

EXCERPTA MEDICA Sec 7 Vol. 11/7 Production Date 57

1847. GODLEWSKI J. and FICHTEL B. Miejskiego Spec. Szpit. Dziecięcego im. J. Korczaka, Wrocław; Klin. Lab. Wojskowego Okręgowego Szpit. Wrocław. *Zawartość dwutlenku węgla w płynie mózgowo-rdzeniowym w przebiegu gruźliczego zapalenia opon mózgowych i mózgu u dzieci. The CO₂ content of the CSF in the course of tb meningitis and encephalitis in children POL.TYG.LEK. 1955, 10/44 (1429-1431)

A decrease in the CO₂ content of the CSF was found in each of the 37 patients examined. In the case of tb encephalitis there were often especially low values in CO₂ level. It was not possible, however, to demonstrate a regular interrelationship between the CO₂ content of the CSF and the clinical condition.

Fichtel - Wrocław (XX, 7, 8, 15)

GODLEWSKI, Jozef.

Certain elements of dialectic materialism in productive activities of
Jedrzej Sniadecki as a biologist-physician. Polski tygod.lek. 10
no.45:1480-1483 7 Nov 55.

1. w Miejskiego Specjalistycznego Szpitala Dziecięcego im. J.Korczaka
we Wrocławiu; kierownik naukowy i ordynator: z-ca prof. dr. med.
J.Godlewski. Wrocław, ul. Berenta 37.

(BIOGRAPHIES,

Sniadecki, Jedrzej)

GODLEWSKI, J.

EXCERPTA MEDICA Soc.7 Vol.10/5 Pediatrics May56

1038. GODLEWSKI J., BORODAJ M., KORNOBIS K., WIERZBICKA S. and ZEMAN F.
Miejskiego Specjalistycznego Szpit. Dzieci. im. J. Korczaka, Wrocław. *O
niektórych neurovegetatywnych odczynach w gruziczym zapaleniu opon u
dzieci. Autonomic nervous reactions in children with tb
meningitis PEDIAT. POL. 1955, 30/1 (5-13) Illus. 2
In 38 cases the activity of the salivary and sweat glands, pupil reactions, reflex
dermographism and Szcerbak's thermal regulation reflex were examined. Tests
with adrenaline and pilocarpine revealed slight autonomic insufficiency in respect
of carbohydrate metabolism, cardiovascular activity, haematopoiesis, sweating
etc. Heterogenous dysfunctions of the autonomic nervous system are postulated.
In some cases a syndrome suggestive of mesencephalic disturbance was seen.

1038 CON'T

It is concluded that the autonomic reactions reflect to some extent the degree of injury to the brain.
From authors' summary (XX,8,7)

Copy 1

EXCERPTA MEDICA Sec.7 Vol10/6 Pediatrics June 56

1095. GODLEWSKI J. and ZOGALA E. Miejskiego Specj. Szpit. Dziecięcego im. J. Korczaka, Wrocław. "Obraz bioptyczny szpiku kostnego w dystrepsji niemowląt. Bioptic picture of the bone-marrow in dystrypsia of infants PEDIAT. POL. 1955, 30/6 (543-546)

The morphological picture of peripheral blood and bioptic picture of the bone-marrow in 29 cases of infantile dystrypsia were examined. Oligoerythrocythaemia and oligochromaemia were the most important changes in the peripheral blood in a considerable percentage of cases. In the bone-marrow there often appeared hypoplasia in the erythroblastic, reticulo-epithelial and lymphatic systems and hyperplasia of the granulocyte system. The erythrocyte and leucocyte systems also showed signs of inhibition of maturation. The frequency of appearance and the strength of hypoplasia and anaplasia in the erythroblastic system were most significant in dystrypsia of the third degree.

Godlewski - Wrocław

GODLEWSKI, Josef.

~~Inconscience~~ in children. Windomosci lek. 8 no.5:217-220
May '55.

1. Z Miejskiego Specjalistycznego Szpitala Dziecięcego im. J.
Korczaka we Wrocławiu. Ordynator: dr Med. J. Godlewski.
(CONSCIOUSNESS
inconsciousness in inf. & child, pathol)

GODLEWSKI, Jozef; BORODAJ, Maria; KORNOBIS, Kryszyna; WIERNICKA, Stefania;
ZEMAN, Fryderyka

Neurovegetative reactions in meningeal tuberculosis in child. Pediat.
polska 30 no.1:5-13 Jan 55.

1. Z Miejskiego Specjalistycznego Szpitala Dziecięcego im. J. Kor-
czaka we Wrocławiu Ordynator: dr med. J. Godlewski. Otrzymano: 1.II.
1954 Adress: Wrocław, Berenta 37.

(TUBERCULOSIS, MENINGEAL, in infant and child,
neurovegetative reactions)

(AUTONOMIC NERVOUS SYSTEM, in various diseases,
tuberc. meningeal in inf. & child.)

Gedlouski, S.

ENCERPTA MEDICA Sec.4 Vol.10/1 Microbiology Jan 57

23. GODLEWSKI J. and BYLINO K. Miejskiego Spec. Szpit. Dziecięcego im J. Korczaka, Wrocław. "Badania wrażliwości na penicylinę szczepów maczugowów błonicy u nosicieli. Studies on susceptibility of diphtheria bacilli to penicillin in carriers PEDIAT. POL. 1955, 30/11 suppl. (101)
- Among 654 hospitalized children (for other reasons than diphtheria) or among those attending the kindergarten, 48 carriers of Corynebacterium were found. The susceptibility of the bacilli to penicillin was found lowered in 91% diphtheria bacilli strains isolated from tonsils of carriers. Except for one strain of the gravus type, all strains were virulent to guinea-pigs. The authors believe that bacteriostatic action of penicillin can be obtained in carriers by rinsing their naso-pharyngeal cavity with penicillin solution (5000 U./ml.) and in diphtheria patients in administering 300,000 to 500,000 U. daily.

Anigstein - Galveston, Tex. (XX, 7, 4)

GODLEWSKI, Jozef; TECZA, Zofia; KORNOBIS, Krystyna

Functional examinations of the connective tissue system in rheumatic fever in children. Postepy reumat. no.3:26-36 1957.

l. Z Miejskiego Specjalistycznego Szpitala Dziecięcego im. J. Korczaka i z Kliniki Propedeutyki Pediatrii A. M. we Wrocławiu. Kierownik: prof. dr med. J. Godlewski.

(RHEUMATIC FEVER, physiol.

connective tissue system, funct. exam. in child. (Pol))

(CONNECTIVE TISSUE, in various dis.

rheum. fever, funct. exam. in child. (Pol))

GODLEWSKI, Julian; PALESTER, Małgorzata

Treatment of hypertension with sleep induced by suggestion. Polski
tygod.lek. 10 no.17:539-545 25 Apr 55.

l. Z III Kliniki Chor. Wewn. Akademii Medycznej w Krakowie, kierow-
nik: prof. dr Julian Aleksandrowicz i Kliniki Psychiatrycznej Sla-
skiej Akademii Medycznej w Rokitnicy; kierownik: prof. dr Stanisław
Cwynar. Krakow, III Kl. Chor. Wewn. Ak. Med., Ul Kopernika 17.

(HYPERTENSION, therapy,

sleep induced by suggestion)

(SLEEP, ther. use,

induced by suggestion, in hypertension)

(SUGGESTION,

sleep induction in ther. of hypertension)

GODLWSKI, Julian

General and methodologico-therapeutic considerations on essay
with induced sleep in hypertension. Polskie arch. med. wewn.
26 no.4:619-626 1956.

l. Z III Klin. Chorob. Wewn. AM w Krakowie Kier. prof. dr. med.
J. Aleksandrowicz, III Klin. Chor. Wewn. AM w Krakowie, ul.
Copernika 17.

(HYPERTENSION, therapy,
sleep ther. (Pol))

(SLEEP, therapeutic use,
hypertension (Pol))

SILINK, Karel; FROMOWICZ, Kurt Karol; GODLEWSKI, Julian; ZURAWSKI, Ludwik

Case of Graves-Basedow disease treated with radioiodine.
Polski tygod. lek. 12 no.15:560-564 8 Apr 57.

l. (Z Zakladu Endokrynologii w Pradze; kierownik: doc. MUDr
Karel Silink i z III Kliniki Chorob Wewnetrznych. A.M. w
Krakowie; kierownik: prof. dr. Julian Aleksandrowics).
Adres: Krakow, III Kl. Chor. Wewn. A.M. ul. Kopernika 17.

(HYPERTHYROIDISM, ther.
radioiodine (Pol))

(IODINE, radioactive
ther. of hyperthyroidism (Pol))

GODLEWSKI, Julian

Problems and psychotherapeutic methods in clinical practice in internal diseases. Polski tygod. lek. 13 no.15:567-571 14 Apr 58

1. (Z III Kliniki Chorob Wewnętrznych Akademii Medycznej w Krakowie; kierownik: prof. dr Julian Aleksandrowicz). Adres: Krakow, ul. Kopernika 17 III Klin. Chor.Wewn. A.M.

(MEDICINE, internal,

psychother. in internal dis., review (Pol))

(PSYCHOTHERAPY, in var. dis.

internal dis., review (Pol))

GODLEWSKI, Julian

Attempted hypnotic therapy in internal clinical medicine.
Pol. tyg. lek. 18 no.45:1686 - 1688 4 №63.

l. z III Kliniki Chorob Wewnętrznych AM w Krakowie. Kierownik:
prof.dr.Julian Aleksandrowicz.

Wojciech Kowalski

Effects of hypnotic suggestion on voluntary and involuntary
functions. Vol. try. Iek. 19 no. 8:290-291 17 F '64.

Wojciech Kowalski (Instytut Psychologii Uniwersytetu Modyfizycznego w Krakowie
przewodnicz: prof. dr. Julian Aleksandrowicz).

Julian Aleksandrowicz, Julian

Alleged harmful effects of hypnosis. Pol. tyg. lek. 25. 11. 1965.
640-641 3 My '65.

1. Z III Kliniki Chorob Wewnętrznych AM w Krakowie (Kierownik:
prof. dr. Julian Aleksandrowicz).

GODLEWSKI, K.; JACKIEWICZ, B.

Measuring generator for multichannel telephony Mod. Il 54- G-3466.

p. 349
Vol. 28, no. 10, Oct. 1955
PRZEGLAD TELEKOMUNIKACYJNY
Warszawa

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 5, no. 2
Feb. 1956

GODLEWSKI, K.

SCIENCE

Periodicals: PRZEGLAD GEODEZYJNY. Vol. 14, no. 2, Feb. 1958.

GODLEWSKI, K. Adjusting level nets by the method of perimeter reduction.
Pt. 2. (To be contd.) p. 45.

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 4,
April 1959, Unclass.

GODLEWSKI, Klemens (London)

An easy method for resection. Przegl geod 33 no.12:453-456 '61.

9/035/62/000/009/010/060
A001/A101

AUTHOR: Godlewski, Klemens.

TITLE: Construction of a circular curve on the basis of two chords and an angle between them

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 9, 1962, 11, abstract 9G73 ("Przegl. geod.", 1962, v. 34, no. 2, 61 - 62, Polish)

TEXT: If points A, B and C (see Figure) lie on one circular curve and chords AB=a and BC=b are measured, as well as angle ABC=α, these data suffice for calculating the elements of the circular curve. The author proposes to use the auxiliary angle γ between the chord and the tangent at point B. This angle can be calculated by the formula:

$$\operatorname{tg} \gamma = \frac{a \cdot \sin \alpha}{b - \cos \alpha}$$

Card 1/2

Construction of a circular curve on the...

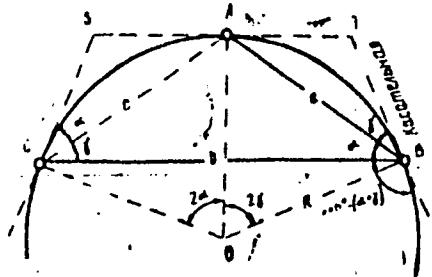
S/0 5/62/000/009/040/060
A001/A101

The radius of the curve is determined by the sine theorem: $2R=a/\sin \gamma$. Then, depending on the adopted method of lay-out, also other elements of the curve are calculated. An example is presented.

Yu. Khmelevskiy

(Abstracter's note: Complete translation)

Figure



Card 2/2

GODLEWSKI, Klemens (London)

Adjustment of polygon network lines by circuit reduction.
Pt.1. Przegl geod 35 no.7:289-295 Jl'63.

GODLEWSKI, Klemens (London, Eng/1967)

Adjustment of polygon network lines by the method of reducing the
circuits. Pt. 2. Przegl geod 35 no.9:374-380 S '63.

GODLEWSKI, Ryszard, mgr.

Labor rationalization in a hand operated setting office.
Poligrafika 13 no.10:17-20. O '61.

1. Centralne Laboratorium Poligraficzne, Warszawa.

GODLEWSKI, Ryszard

The "Good book" truck. Przegl kolej elektrotechn 13 no.10:318 '61.
1. Sekretarz redakcji miesięcznika "Przeglad kolejowy elekrotechniczny"

CETNAROWICZ, J.; GODLEWSKI, W.

~~Effect of working conditions on the health of the workers in a factory
of sodium bicarbonate manufactured by the ammoniacal method. Przegl.
lek. Krakow 7 no.10:376-382 1951.~~
(CLML 21:5)

1. Of the Research Center for Occupational Diseases of the Second Clinic
of Internal Diseases (Head--Prof. T. Tempka, M.D.) of Krakow Medical
Academy.

DOLEZAL, Marian; GODLEWSKI, Wieslaw; KOWALCZYK, Mieczyslaw; SZARBINSKI, Tadeusz

Proteinogram and Sabin-Feldman color test. Wiadomości parazyt., Warsz.
4 no.5-6:405-406; Engl. transl. 406-408 1958.

1. Z Zakladu Mikrobiologii Ak. Med. i II Kliniki Chor. Wewn. Ak. Med.
w Krakowie.

(BLOOD PROTEINS, determination,
Sabin-Feldman color test (Pol))

GODLEWSKI, Wieslaw; SZARBINSKI, Tadeusz

A modified method for the separation of leukocytes and blood platelets. Polskie arch.med.wewn. 29 no.5:620-628 '59.

1. z II Kliniki Chorob Wewnętrznych A.M. w Krakowie Kierownik:
prof. dr nauk med. T. Tempka.
(LEUKOCYTES)
(BLOOD PLATELETS)

GODLEWSKI, Wladyslaw, inz.

Working analysis of installations feeding the electric traction
of the Polish State Railroads. Przegl kolej elektrotech
13 no.5:137-138 5 My '61.

COMINTPI, P.

"'od-larst~~ów~~" ("odelmaking), by Z. Godlewski. Reported in New Books (Nowe Książki), No. 12, June 15, 1956.

GODLEWSKI, Z.

The quality of our baked products.p. 12.

PRZEGLAD TECHNICZNY. Naczelnna Organizacja Techniczna. Warszawa, Poland, Vol. 30,
no. 28, July, 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September, 1959.
Uncl.

S/194/62/000/012/063/101
D295/D308

AUTHORS: Godlewski, Zbigniew and Pawłowski, Zdzisław
TITLE: Complex method for testing steel castings by means of ultrasound and isotopes
PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 12, 1962, 17-18, abstract 12-5-34 e (Pierwsze krajowe sympoz. zastosowán izotopów techn., Rogów 8-12 June, 1960, Warsaw, no. 39, 1961 (Pol.; summaries in Eng. and Rus.)) ✓

TEXT: The efficacy of ultrasonic and radiographic methods of testing steel castings is investigated. An apparatus used for radiographic tests is described. The basic parameters of a γ -test by x ray irradiation using ^{192}Ir , the ^{137}Cs and the ^{60}Co isotopes are given in a table. The authors consider ultrasonic testing of steel castings by echo sounding using a DI-10 pulsed defectoscope produced by the Polish firm Z. z. g. INC0. In order to eliminate the dead zone, tandem ultrasonic transducers were used, one of

Card 1/3

Complex method for ...

S/194/62/000/012/063/101

D295/D308

which served as an emitter and the other as a receiver. Each transducer was equipped with a plastic adapter, acoustic contact being made through water. The frequencies used were 3, 1.5 and 8 Mc/s. The defectoscope gain was regulated by means of a special plastic standard. A diagram of the positioning of the acoustic heads and a sketch of the standard are shown. The result of ultrasonic tests are outlined together with the principles of interpretation of oscilloscopes. Four of the most used types of oscilloscopes are shown, the distinctive feature of which is the presence of a multiple bottom echo, a weak bottom echo, a weak echo from defect, a strong echo from defect and a damped bottom echo. The authors draw attention to the difficulty of interpreting oscilloscopes in ultrasonic testing of steel castings. The factors that affect the results of ultrasonic check-up of steel castings and the factors to be taken into account in interpreting the oscilloscopes are indicated. The results of ultrasonic check-up are compared with the results of radiography. The comparison has shown that ultrasonic testing is fully adequate for general check-up of the quality of steel castings, and is much superior to the radiographic method in

Card 2/3

Complex method for ...

S/194/62/000/012/063/101
D295/D308

distinguishing various types of defects. It is therefore suggested to supplement radiographic with ultrasonic castings.

ASSOCIATION: Inst. Podstawowych Problemów Techniki PAN, Poland
[Abstracter's note/ Complete translation.]

Card 3/3

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R000615520007-5

RADWAN, Maciej, doc., dr.; GODLEWSKI, Zbigniew, mgr., inż.

Detectability of casting defects by radiographic method.
Przegl odlew 11 no.12:360-365 '61.

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R000615520007-5"

GODEWSKI, Zbigniew; RADWAN, Maciej

Testing the mixing process of molding sand by means of radioactive isotopes. Nukleonika 7 no.7/8:520-521 '62.

1. Instytut Podstawowych Problemów Techniki, Polska Akademia Nauk, Zakład Badan Izotopowych, Warszawa.

GODLEWSKI, Zbigniew, mgr.inz.; RADWAN, Maciej, prof.dr.

Testing the course of mixing molding sands by using radioactive isotopes. Przegl odlew 12 no.7:192-197 Jl '62.

L 5111-66 EWT(m) DIAAP
ACC NR: AP6000251

SOURCE CODE: FC/CC/6745/010/100370145/0155

AUTHOR: Radwan, Maciej--Radwan, M. M.; Godlewski, Zbigniew-Godlewski, Z. G. 34
44 55

CRC: Institute of Fundamental Technical Problems, Polish Academy of Sciences, Warsaw

TITLE: Influence of flaw shape and radiographic technique on the detectability in
isotope radiographic methods 19
H4 55

SOURCE: "Leonika, v. 10, no. 3, 1965, 145-153

TOPIC TAGS: radiography, flaw detection, isotope, photometer

ABSTRACT: The influence of the radiographic technique on detectability of different
shapes of flaws was studied. The theoretical analysis of the change of density for
radiographic images of flaws made it possible to determine decreases in density above
the background. Theoretical and photometric analysis of density curves for images of
flaws were obtained by using an automatic recording photometer. A strong relation was
observed between the radiographic technique and the image density curve. By using the
density curves it should be possible to determine the kind of flaw. Orig. art. has:
6 figures, 5 formulas. FAJ

SUB CODE: NP, IE / SURV DATE: none / ORIG REF: 004 / OTH REF: 001

50
Card 1/1

GODLEWSKI, Zbigniew, Dr med; SOBCZYNSKA, Barbara, lek.

Therapeutic significance of ultrasonics in rheumatic diseases.
Postepy reumat. no.1:180-184 1954.

1. Z Państwowego Instytutu Reumatologicznego Dyrektor: prof. dr
E.Reicher.

(ULTRASONICS, therapeutic use,
rheum. arthritis)
(ARTHRITIS, RHEUMATOID, therapy,
ultrasonics)

GODLEWSKI, Zbigniew, Dr med.

Need for orthopedic corsets in certain types of ankylosing spondylitis; several proposed types of corsets. Postepy reumat., no.1:185-193 1954.

1. Z Państwowego Instytutu Reumatologicznego Dyrektor: prof. dr E. Reicher.

(ORTHOPEDICS, apparatus and instruments,
corsets, in ankylosing spondylitis)
(SPONDYLITIS, ANKYLOSING, therapy,
orthopedic corsets)

GODLEWSKI, Zbigniew, Dr med.

Attempted application of pneumarthrosis in rheumatoid arthritis.
Postepy reumat. no.1:203-206 1954.

1. Z Państwowego Instytutu Reumatologicznego. Dyrektor: prof. dr
E.Reicher.

(ARTHRITIS, RHEUMATOID, therapy,
pneumarthrosis)

(JOINTS,
pneumarthrosis, ther. of rheum. arthritis)

GODLEWSKI, Z.

"Reumatyzm" (Rhumatism), by Z. Godlewski. Reported in New Books (Nowe Ksiazki), No. 15, August 1, 1955

GODLEWSKI, Zbigniew

Periarthropathia scapulo-humeralis, usually called periarthritis
scapulo-humeralis. Postepy reumat. no.2:92-127 1956.

1. Z Państwowego Instytutu Reumatologicznego w Warszawie
Dyrektor: prof. dr. E. Reicher.

(PERIARTHRITIS

scapulohumeral, clinicopathol. & ther. (Pol))

(SCAPULA, dis.

periarthritis, scapulohumeral, clinicopathol. & ther. (Pol))

(HUMERUS, dis.

same)

GODLEWSKI, Zbigniew

Prevention of motor system deformities in rheumatoid arthritis
in adults and children. Postepy reumat. no.2:128-155 1956.

1. Z Państwowego Instytutu Reumatologicznego w Warszawie
Dyrektor prof. dr. E. Reicher.
(ARTHRITIS, RHEUMATOID, compl.
deform., prev. in adult & child (Pol))

RADWAN, Maciej, prof. dr inz.; GODLEWSKI, Zbigniew, mgr inz., adiunkt

Features of the radiographic picture and detectability of defects
Przegl mech 23 no.20:584-589 25 0 '64

1. Institute of Basic Technical Problems, Polish Academy of
Sciences, Warsaw.

L 9883-66 ENT(m) DIAP
ACC MKI AP5027378

SOURCE CODE: UR/0371/65/000/005/0026/0034

AUTHOR: Abrams, I.; Abrams, I. A.; Veveris, O.; Godkalns, A.; Kalis, H.
Veveris, O. E.; Godkalns, A. K.; Kalis, Kh. E.

52
E

ORG: IPANL

ORG: Institute of Physics, AN Latv. SSR (Institut fiziki AN Latv. SSR)

TITLE: Weakening gamma radiation from cylindrical sources by cylindrical shielding

SOURCE: AN LatSSR. Izvestiya. Seriya fizicheskikh i tekhnicheskikh nauk, no. 5,
1965, 26-34

TOPIC TAGS: nuclear power, gamma radiation, gamma counter

ABSTRACT: With the development of nuclear energy, radiation protection became a major problem. A method was developed for counting the dosage rate of gamma radiation originating in a cylindrical source and shielded by a cylinder consisting of two layers of iron with a layer of lead in between. Counting was done by an electronic computer, with consideration of the multiple γ -ray scattering in the

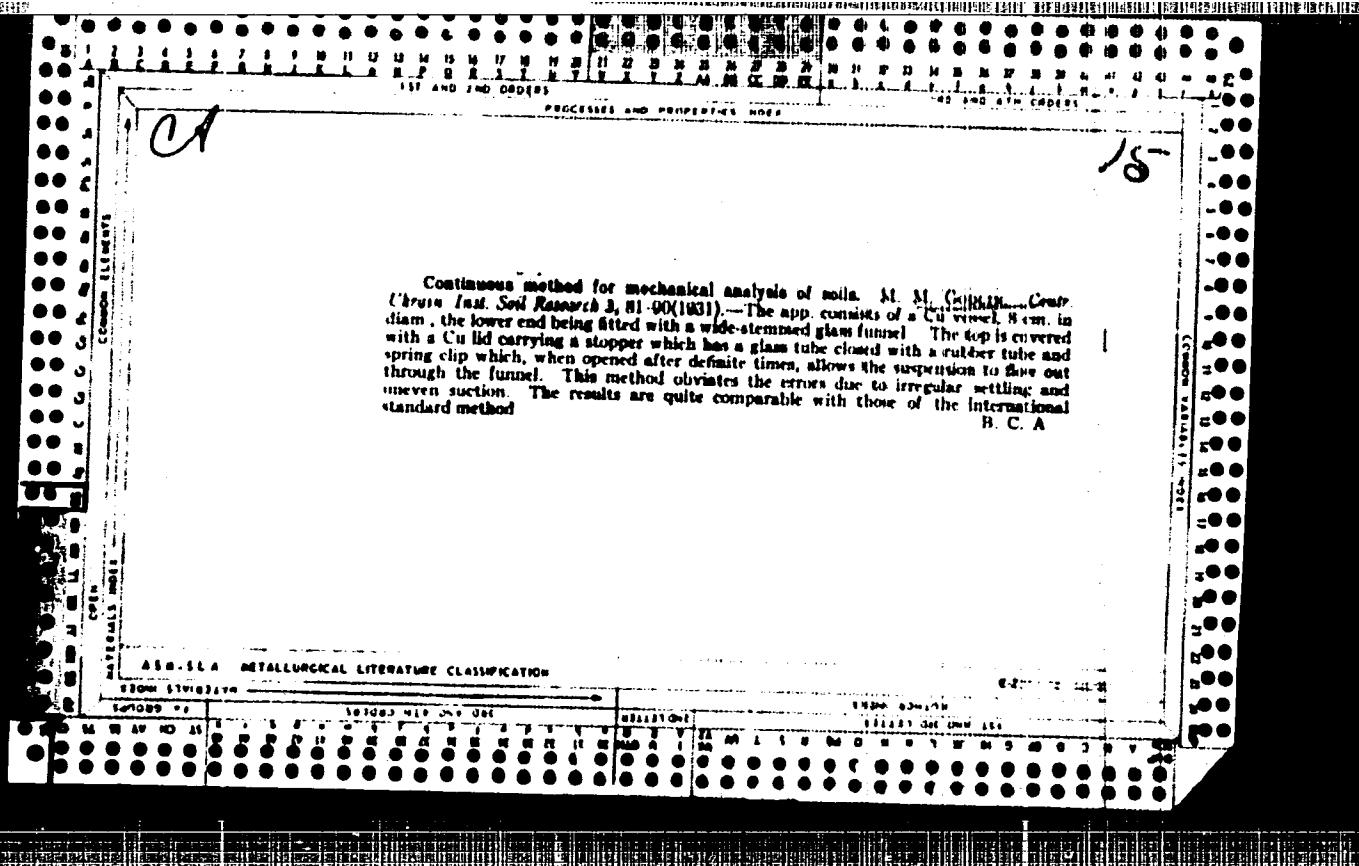
1/2

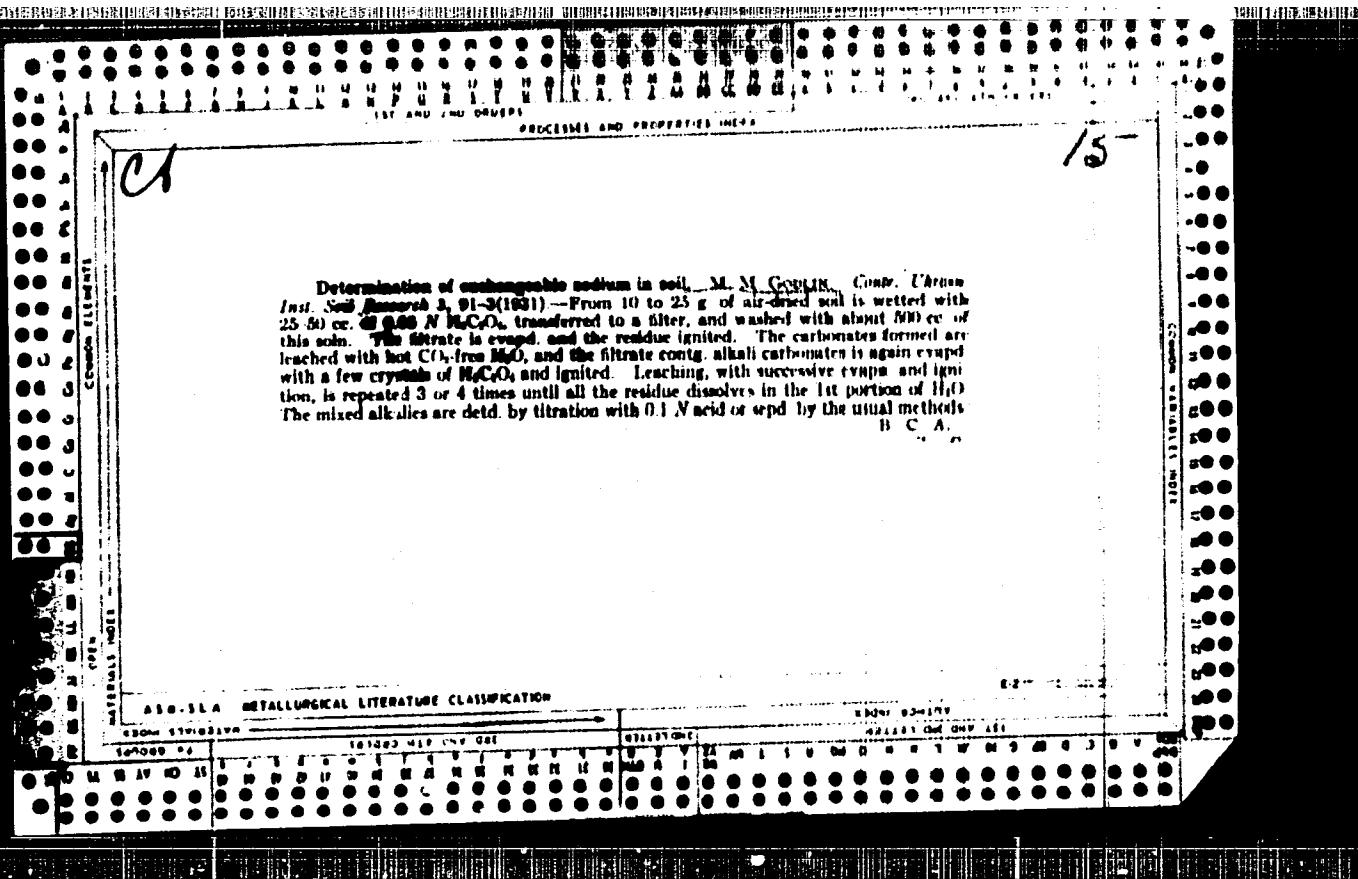
L 9883-66
ACC NR: AP5027378

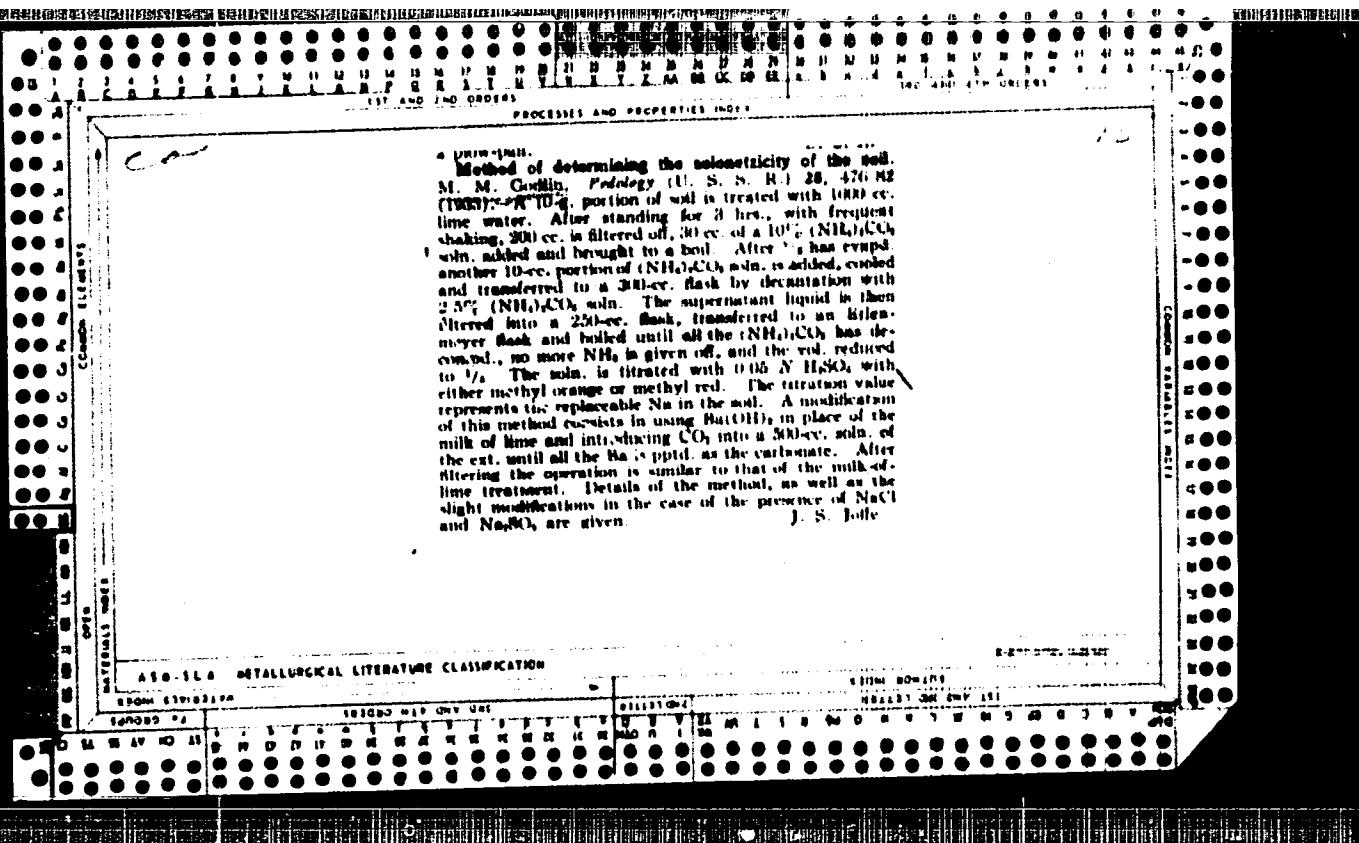
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shielding material. The values R and h characterizing the dimensions of the cylindrical sources were selected, taking into consideration the major part of the existing sources of Co⁶⁰. Orig. art. has: 3 figures and 3 tables.

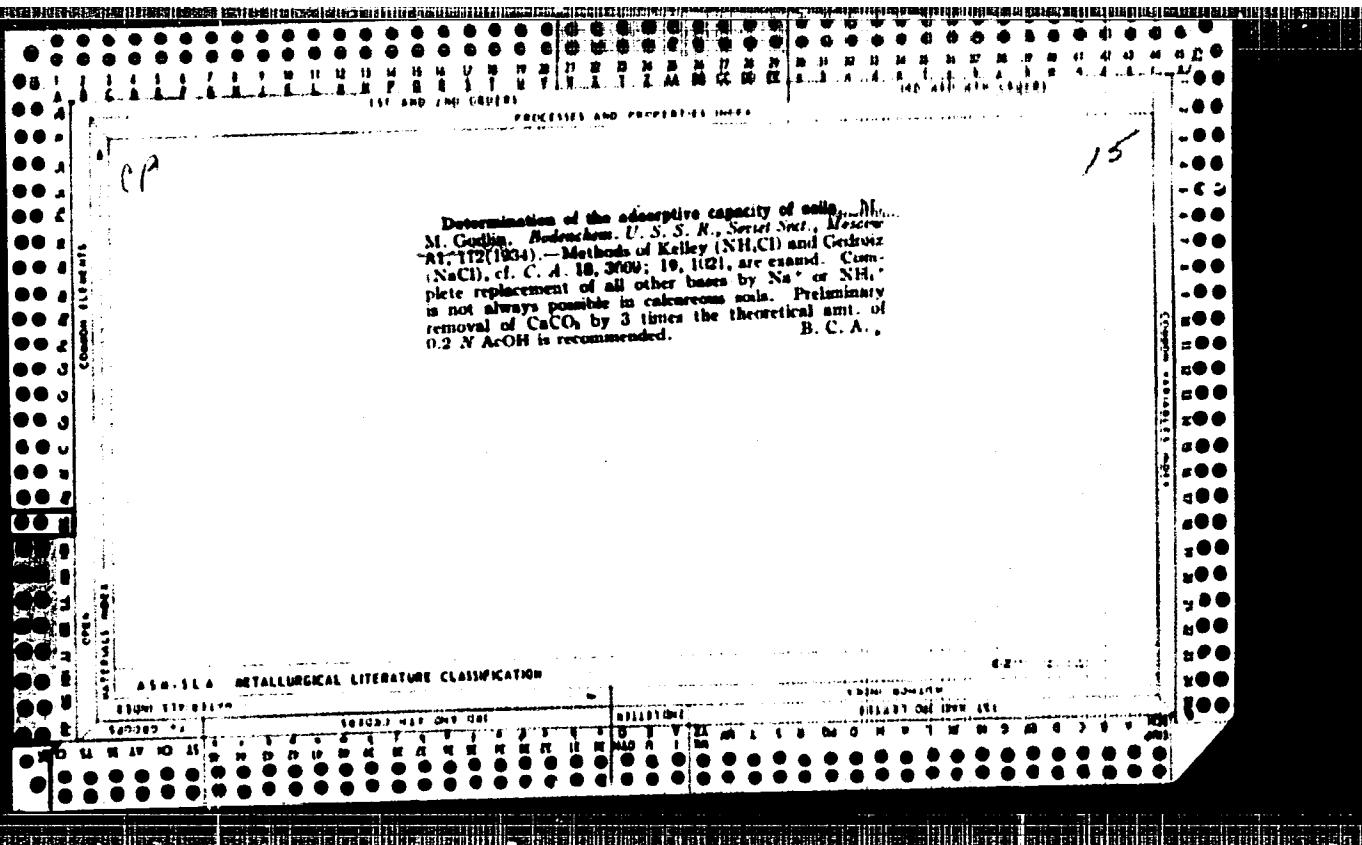
SUB CODE: 18/ SUBM DATE: 04Mar65/ NR REF Sov: 010/ OTHER: 000

2/2









Determination of the lime requirements of soils. M.
M. Gullion. Pedology (U. S. S. R.) 32, 238-51 (in English
summary). A soln. of NaHCO₃ in NaCl (0.20 g
NaHCO₃ in a l. of 10% NaCl) is used with 10 g. of soil
which is shaken and left standing overnight. An aliquot
is titrated with H₂SO₄, and from the titr. the CaCO₃
equiv. is calcd. J. S. Joffe

A new method for the preparation of soils for mechanical analysis. M. M. Godlin. *Polymer*, 1, 35-8. 1938, No. 9, 1105. Cited in "Review", *J. Am. Soil Sci. Soc.* 4, 1010, No. 7, 1941. For the analysis of carbonate-free soils add to 10-20 g. of the soil 200 cc. of 0.05 N HCl, stir the suspension 5-10 times during 1 hr. with a glass rod, let stand over night, filter into a graduated flask, wash with distilled water until the total vol. of the filtrate and the wash water reaches 300 cc., mix the liquid and dry, the dry residue and the sum of the absorbed bases. Transfer the soil with distilled water from the filter into a cone-shaped flask, add 10 cc. of 0.1 N NaOH for each mm. equiv. of absorbed bases in the sample, boil the suspension for 2 hrs., let stand, decant through a 0.25-mm. sieve into a 100-cc. cylinder, transfer the soil to a porcelain dish, grind it with a rubber covered pestle, wash it with distilled water through the 0.25-mm. sieve into the same cylinder, bring the vol. to the mark, mix the suspension, let stand and pipet according to the method of Robinson. For the analysis of carbonate acids treat 10-20 g. of the soil with 100 cc. of a 0.2 N HCl soln. in 3 steps, filter, wash into a 300-cc. graduated flask, dry, the dry residue, the sum of the absorbed bases or consider the sum to be approximately equal to the percentage content of particles less than 0.01 mm. μ , transfer the soil from the filter into a 300-cc. flask, add 0.1 N NaOH until a weakly basic reaction is obtained and boil the suspension for 2 hrs. The further prep. is the same as that used for the carbonate-free soils. The time of settling and the depth for taking the soil samples are derived from Stokes' formula. W. R. Ham.

GODLIN M.M.

VERNANDER, N.B.; GODLIN, M.M., professor, doktor sel'skokhozyaistvennykh nauk; SAMBUR, G.N.; SKORINA, S.A.; KONOVALOV, M.T., otvetstvennyy redaktor; AKSENOV, G.G., tekhnicheskiy redaktor; LIMANOVA, M.I., tekhnicheskiy redaktor

[Soils of the Ukrainian S.S.R.] Pochvy USSR. Pod red. M.M.Godlina.
Kiev, Gos. izd-vo selkhoz. lit-ry, USSR, 1951. 326 p. [Microfilm]
(Ukraine--Soils) (MLRA 7:10)
(Soils--Ukraine)

GCDLIN, M.M.: ZAKHAROVENKO, I.G.

CHERNOZEM SOILS

Decomposition rates of perennial grass remainders and the effect of the latter on the composition and properties of chernozem soil. Pochvovedenie, no. 9, 1952.

Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

GOODLIN, M.M.

The micro-aggregate and mechanical composition
Goodlin (Purkaynsen, 1953, No. 6, 67-70) described the organo-mineral fraction (<0.01 mm.) from the sandy fraction (>0.01 mm.) by trituration of the soil (Neftel's method). The 0.01 mm. fraction was subdivided into water-stable and -unstable fractions each of which is further subdivided into fractions of smaller diameter.

Sort 4 Part. (A, C, E)

GODLIN, H.H.

Comparative evaluation of methods used for determining ex-changeable bases. Pochvovedenie no.5:94-95 My '59.
(MIREA 12:8)
(Soils--Analysis)

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R000615520007-5

GODLIN, M.M. (Kiyev)

Determining total soil acidity. Pochvovedenie no.8:112-115
(MIRA 12:11)
Ag '59. (Soil acidity)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R000615520007-5"

GODLIN, M.M.

Deepening the plow layer and making radical changes in
the profile of Podzolic and turf-Podzolic soils of various
mechanical composition. Pochvovedenie no.8:45-52
Ag '60. (MIRA 13:8)

1. Ukrainskaya Akademiya sel'skokhozyaystvennykh nauk.
(Podsol)

GODLIN, M.M.

Soil propeller auger. Pochvovedenie no.3:98 Mr '65.
(MIRA 18:6)

SEREBRYAKOVA, G. V.; BOZHEVOL'NOV, Ye. A.; GODLINA, G. S.

Determination of magnesium in water and acids with bis(salicylidene)-
ethylenediamine. Metod. anal. khim.reak. i prepar. no. 4:92-
95 '62. (MIRA 17:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh
reaktivov i osobu chistiykh khimicheskikh veshchestv.

SEREBRYAKOVA, G.V.; BOZHEVOL'NOV, Ye.A.; GODLINA, G.S.; LUKIN, A.F.

Bis-salicylal ethylenediamine, a luminescent reagent for the
determination of magnesium. Trudy IREA no.25:9-16 '63.
(MIRA 18:6)

GODLINA, G.S.; BOZHEVOL'NOV, Ye.A.; KREYNGOL'D, S.U.

Tetramercury fluorescein acetate. Met. poluch. khim.
reak. i prepar. no.6:52-54 '62. (MIRA 17:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh
reaktivov i osobo chistykh khimicheskikh veshchestv.

GODMAN, S. I.

USSR/Metals - Springs

FD-444

Card 1/1 : Pub. 153 - 14/18

Author : Godman, S. I.

Title : Method for determining the mechanical characteristics of flexible elastic specimens

Periodical : Zhur. tekhn. fiz. 24, 722-728, Apr 1954

Abstract : Describes the procedure and apparatus for determining flexibility and elasticity of spring materials, especially very short steel spring strips, e.g. 5 mm long and 0.08 mm thick.

Institution : —

Submitted : October 20, 1953

GODMAN, V. M.; SAUSHKIN, Yu. G.

"Distribution of productive forces in USSR and USA (comparative economic-
geographical characteristics)."

report scheduled for presentation at the 20th Intl Geographical Cong, London,
6 Jul-11 Aug 64, London.

Univ. of Moscow.

111, p. 1958.

Padomju saimnieciba "Saliens." Riga, Latvijas valsts izdevnieciba, 1957
111, p. (The Saliens State Farm)

DA Not in DIC

SC: Monthly Index of East European Accession (EAI) LC. Vol. 7, No. 1958

GODNER, I.

Godner, I., and Sorokin, V. On the classification of finite systems of identical particles by characters of symmetry and momenta impulse. Akademy Nauk SSSR (N.S.) 58, 1931-1933 (1957). [Russian]

The linearly independent characteristic functions of identical particles of angular momentum quantum numbers span a space $(R_s)^n$ with $n = 2j+1$. Let u_s and (u_s) be the group of unitary rotations in (R_s) and $(R_s)^n$ respectively. Then $(u_s)^\alpha = \sum_i a_i A(f_1, \dots, f_n)$, where $A(f_1, \dots, f_n)$ is the irreducible representation of u_s belonging to the partition $f_1 + \dots + f_n = n$, $f_1, \dots, f_n \geq 0$. The rotations in space induce in $(R_s)^n$ the rotations $(D_j)^\alpha = \sum_i a_i d_j^{(i)}$. Here $d_j^{(i)}(f_1, \dots, f_n) = \sum_k N_{ijk} D_j$, where j is the total angular momentum quantum number; N_{ijk} has been determined to be the zero order term in the expansion according to ϵ of

$$\frac{(\epsilon^{f_1+1}-1)(\epsilon-1)}{2\epsilon^{1+f_1}} D(\epsilon^{f_1}, \epsilon^{f_2}, \dots, \epsilon^{f_n}),$$

where $\epsilon = e^{i\phi}$ (ϕ is the parameter of u_s), $f_1 + \dots + f_n = k$ and D is the Vandermonde determinant.

Source: Mathematical Reviews,

Vol 27 No 7

SUN 8/2

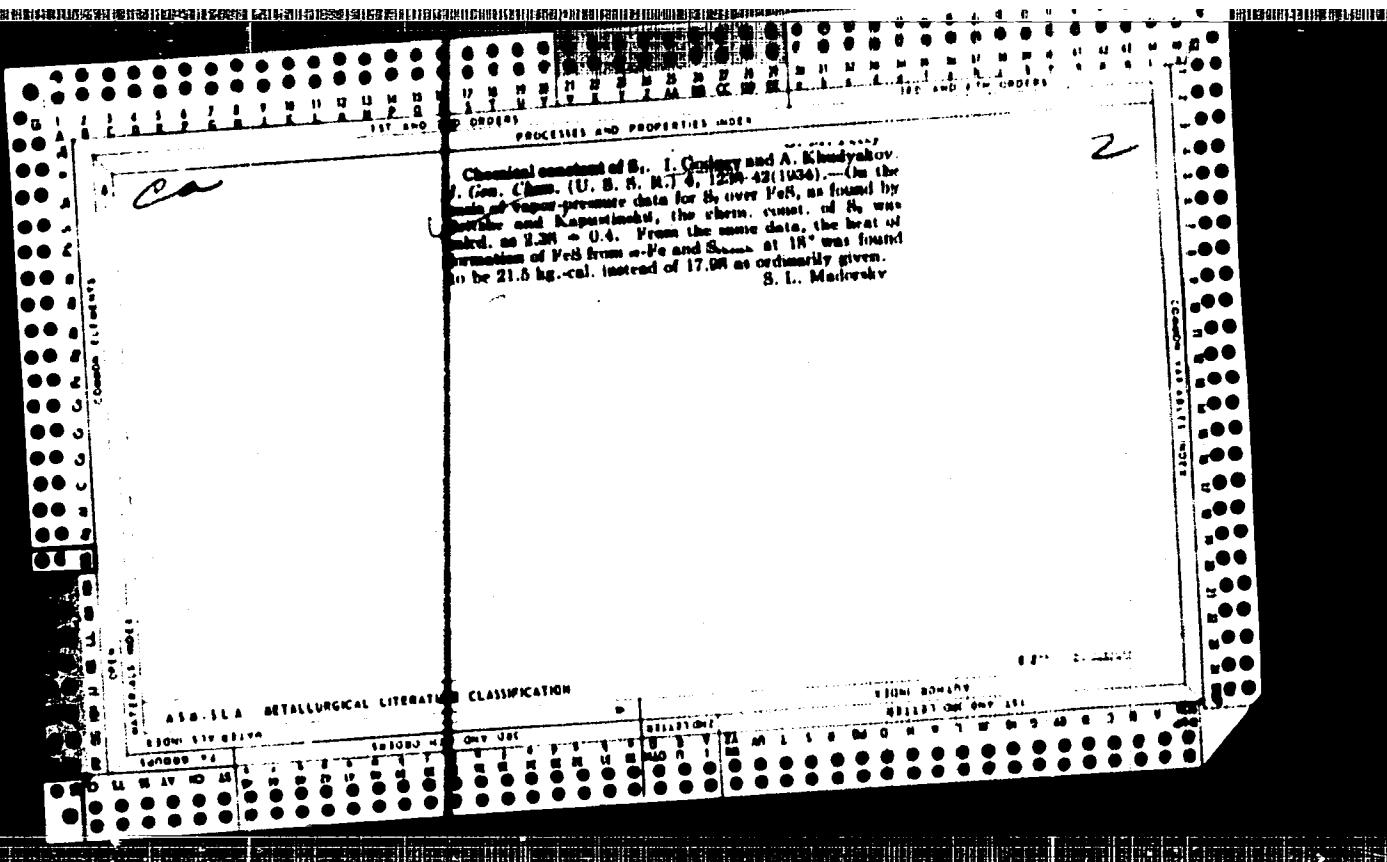
LIPSAWA, G.A. [Lipswain, H.A.]; GLAZOV, L.M. [GLAZOV, T.B.M.]

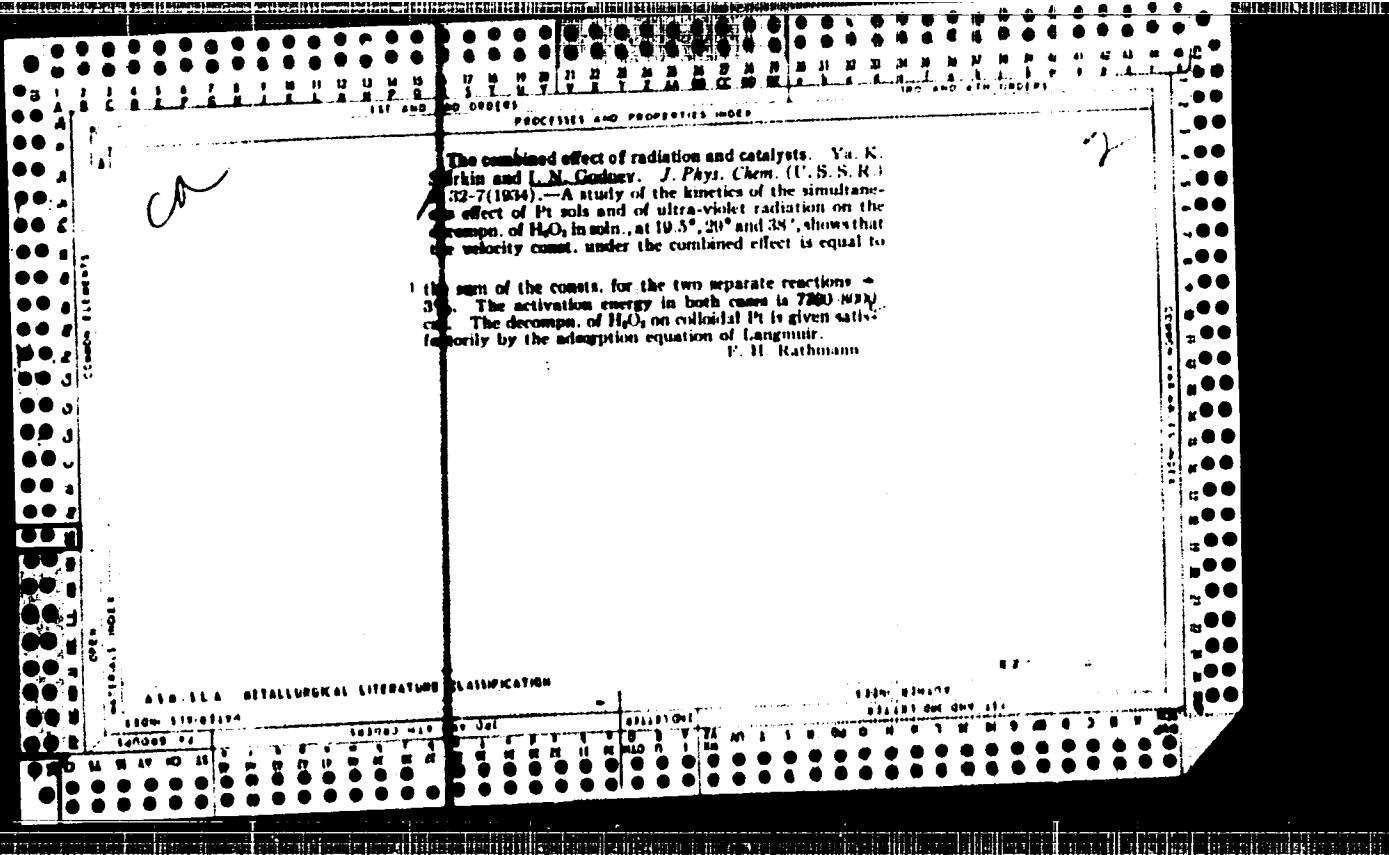
Measurements of the pigment system and the plastid apparatus of sugar beets as affected by boron, manganese and copper in a saltless culture. Vestsi AN BSSR Ser. Biolog. nauch. no. 1:18-24. 1962.
(S.R.A. 17:9)

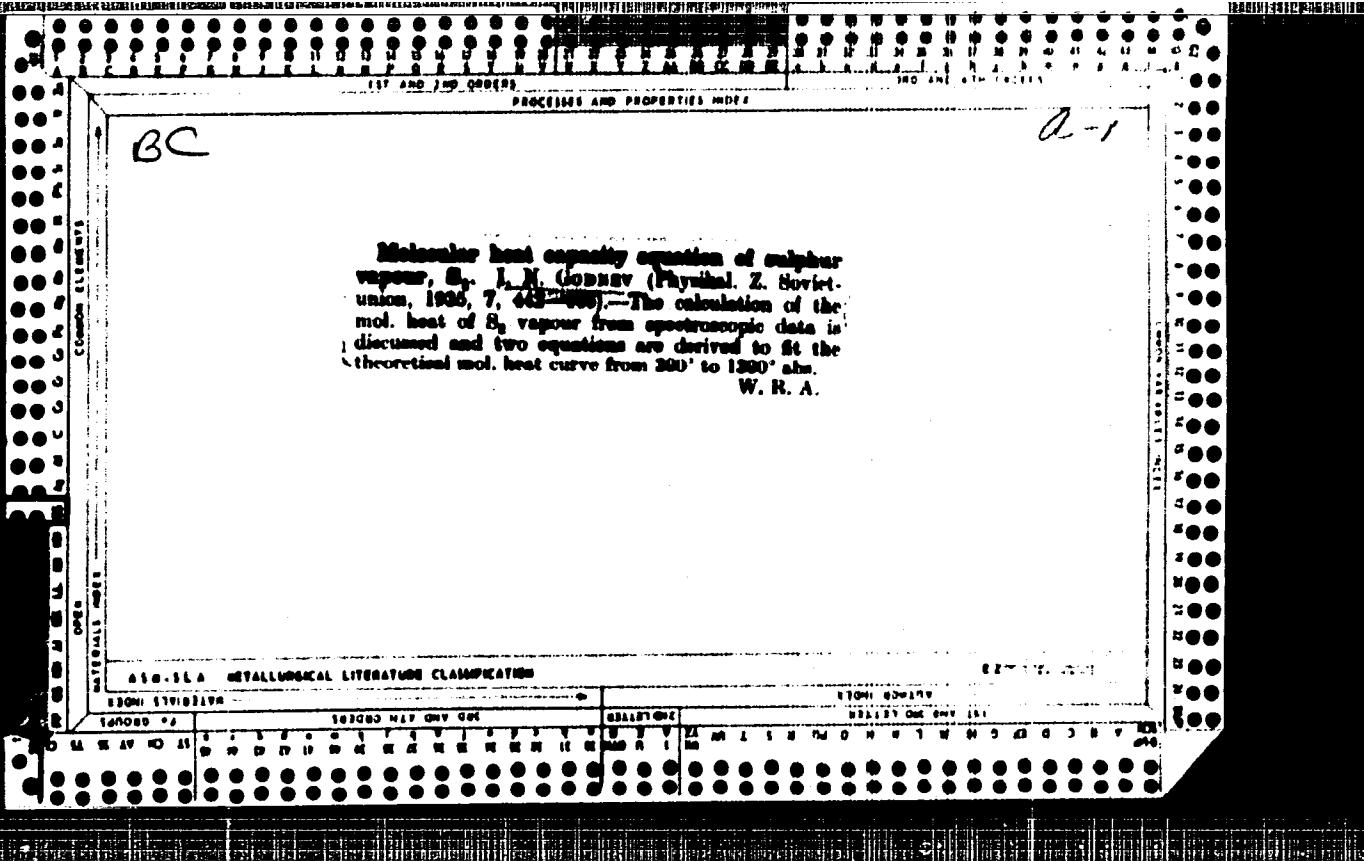
GODNEV, E. S.

The Buzuluk forest; studies and experiments, 1903-1953 Moskva, Goslesbunizdat, 1953
93 p.

Specific heat of gases at high pressures. I. N. Gomov. J. Gen. Chem. U.S.S.R. 1, 684 (1931). - The function F in Nernst's formula: $C_p = f(\rho, T) = \rho f_1(T)$ for air under high pressure, up to 200 atm., is calcd. from a consideration of the well-known thermodynamic equations: $C_p = C_v + (\partial U/\partial T)_v + A_p(\partial p/\partial T)_p = AT(\partial p/\partial T)_p$, $\rho = (m/AT)$, and $(\partial C_p/\partial T)_v = A_f(\partial^2 p/\partial T^2)_v$, and from the van der Waals equation: $p = [RT/(v - b) - a/v^2]$. In this way, the formula: $C_p = C_v + aT + bT^2 + A_f(v - b)[Rb^2/(v - b)^2 - 2(R/T + b_0)]$ is derived, where $C_v = vT + \beta T^2$ stands for C_v , and a and b are van der Waals consta. This formula is applicable only to large vol. of air (about 100 cc. or more). Calcd. values are in close agreement with exptl. values found in literature. S. L. Matrosov.







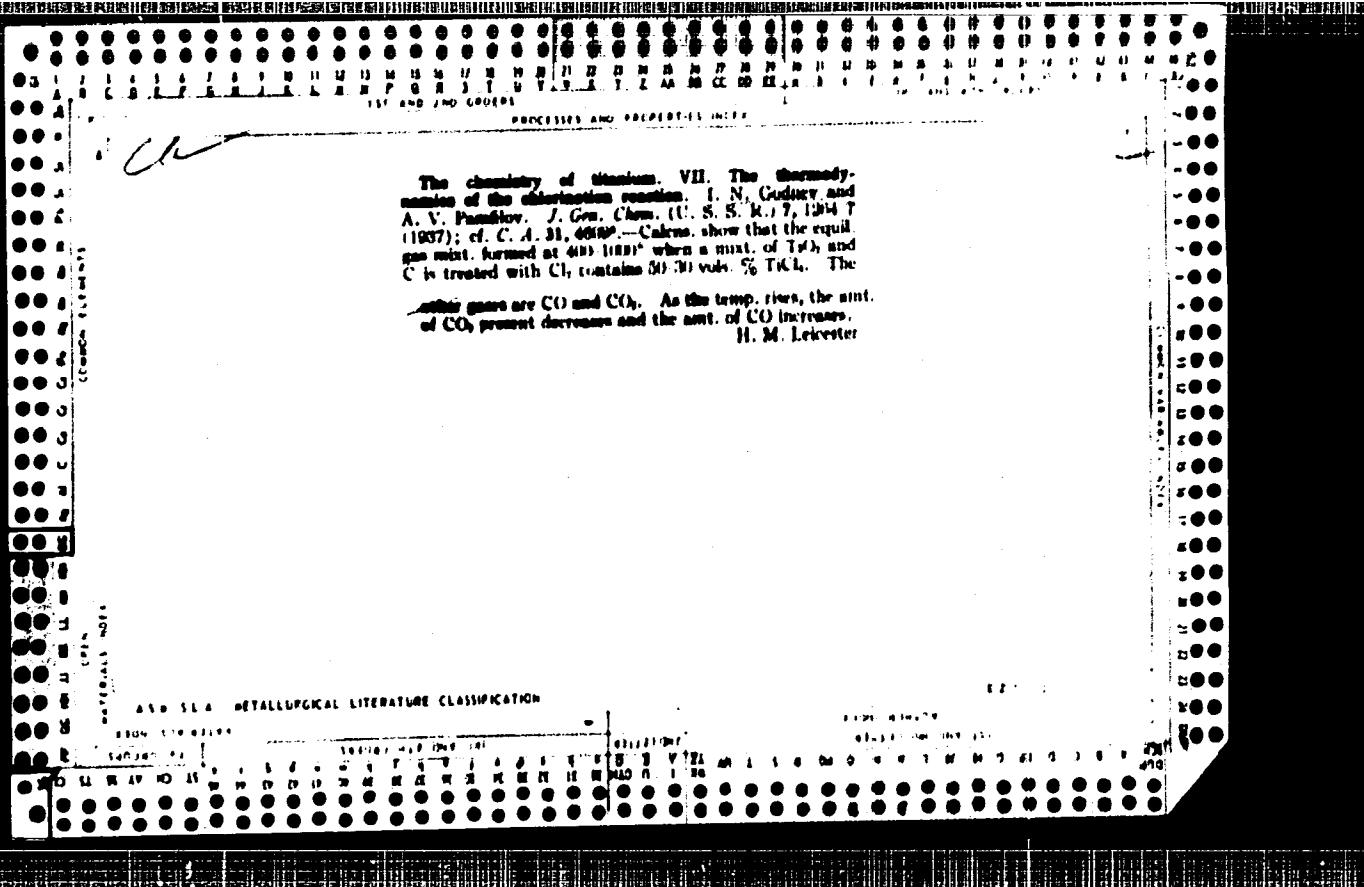
Heat capacity, entropy, and free energy of the vapour of phosphorus
P_V. I. Godnev and A. Severdin (J. Phys. Chem. Russ. 1935, 8, 904-908).
-Spectroscopic data are used for calculating thermodynamic properties of
P_V. J.J.B.

cc

8-1

Tsvetkov's equation for alcohol vapour. I. I.
Gerasimov, S. N. Soloumenko, and M. M.
Soboleva (Proc. Org. Chem., 1937, 6, 540-567).
The sp. vol. ν of EtOH vapour at pressure P (cm.^2)
atm.) is given by $\nu = 27/P - 0.200$.

APPENDIX METALLURGICAL LITERATURE CLASSIFICATION



Ca

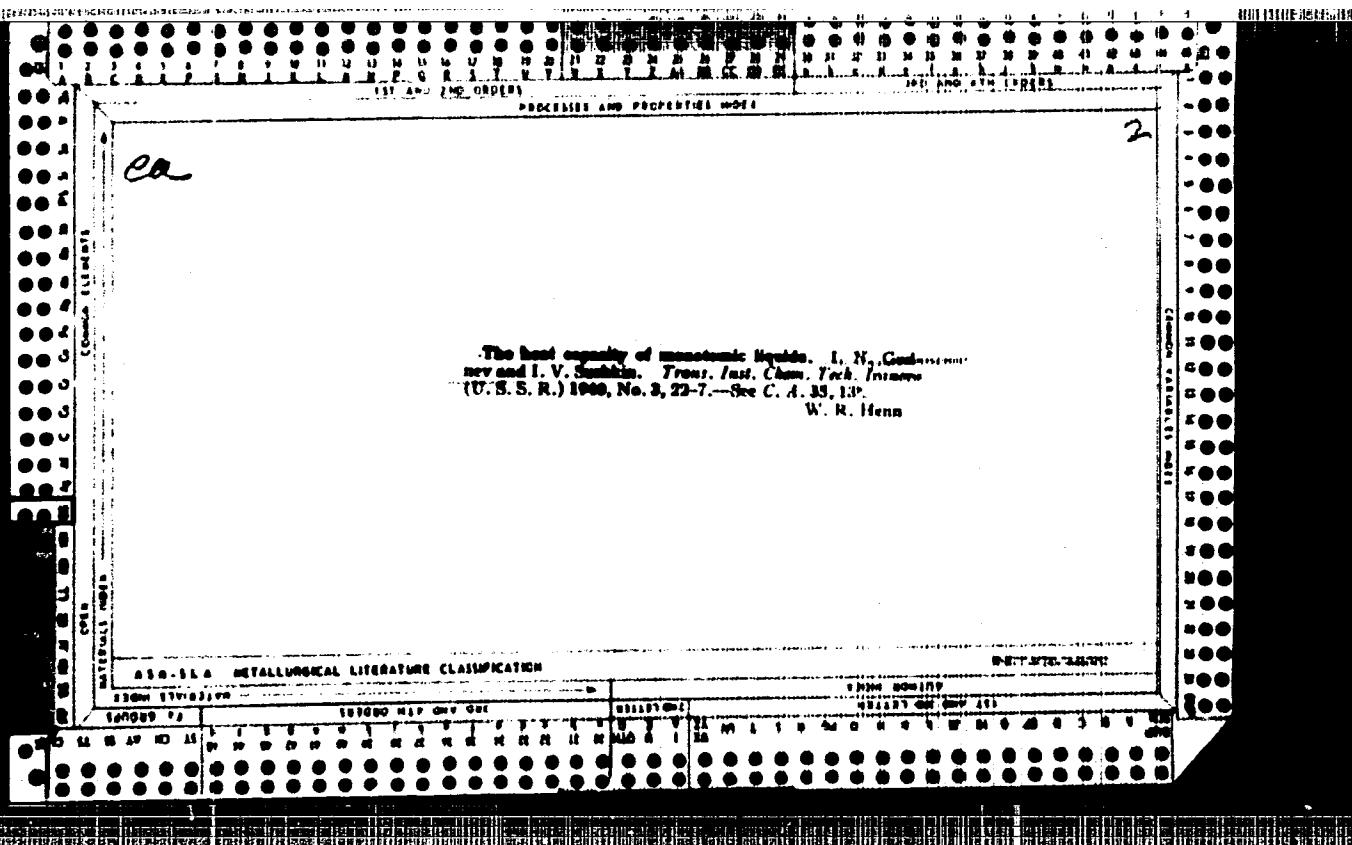
2

Thermal capacity of monatomic liquids. I. N. Gulyam
and I. V. Sushkin. *J. Exptl. Theoret. Phys.* (U.S.S.R.)
9, 1142-0(1959).—Assuming that the av. fractions x and
 $1-x$ of all mols. are in translatory and vibrational motion,
resp., A and B derive the equation $C_v = \frac{1}{2}kRT\Phi_{AB}$.

$C_v(\theta/T)(1 - BT\phi) + [(RT + U_0)/RT]\phi^2 RT + U_0 -$
 $U(\theta/T))BT\phi$, where $\phi = -U/RT$, and $C_v(\theta/T)$ is the
Rydberg function. This equation is in satisfactory agree-
ment with the decrease of C_v with T , and with values of C_v
over 0°C, near the m. p. and is further in good agree-
ment with data of Buchen and Hauck (*C. A.* 22, 4268) on the heat capacity of liquid argon. F. H. Rathmann

CONFIDENTIAL

ADM-516 METALLURGICAL LITERATURE CLASSIFICATION



CA

The sum of the rotating states of an asymmetric spin
I. N. Gudayev, M. Titov and P. Shishkov *Zhur.
Izv. Chem. Tach. Issled.* (U. S. S. R.) 1960, No. 4,
28-30.—The derivation of the sum of the rotating states
is based on the use of approximated energy levels found by
means of quantum mechanics. The values obtained are
close to those obtained by a direct addn. Eleven refer-
ences.
W. R. Hemm

410-51A METALLURGICAL LITERATURE CLASSIFICATION

Thermodynamic functions of acetone. I. Godnev, A. Pajuchina, and A. Sverdin (J. Phys. Chem. Russ., 1949, 14, 374-379.- Using the method of Pitzer (A., 1937, I, 398, 557) and the most probable model of the COMe mol. the entropy, free energy, and heat capacity of COMe between 298° and 1500° K. are calc. The calc. sp. heat agrees with the observed val.

J.J.B.

"APPROVED FOR RELEASE: 09/19/2001

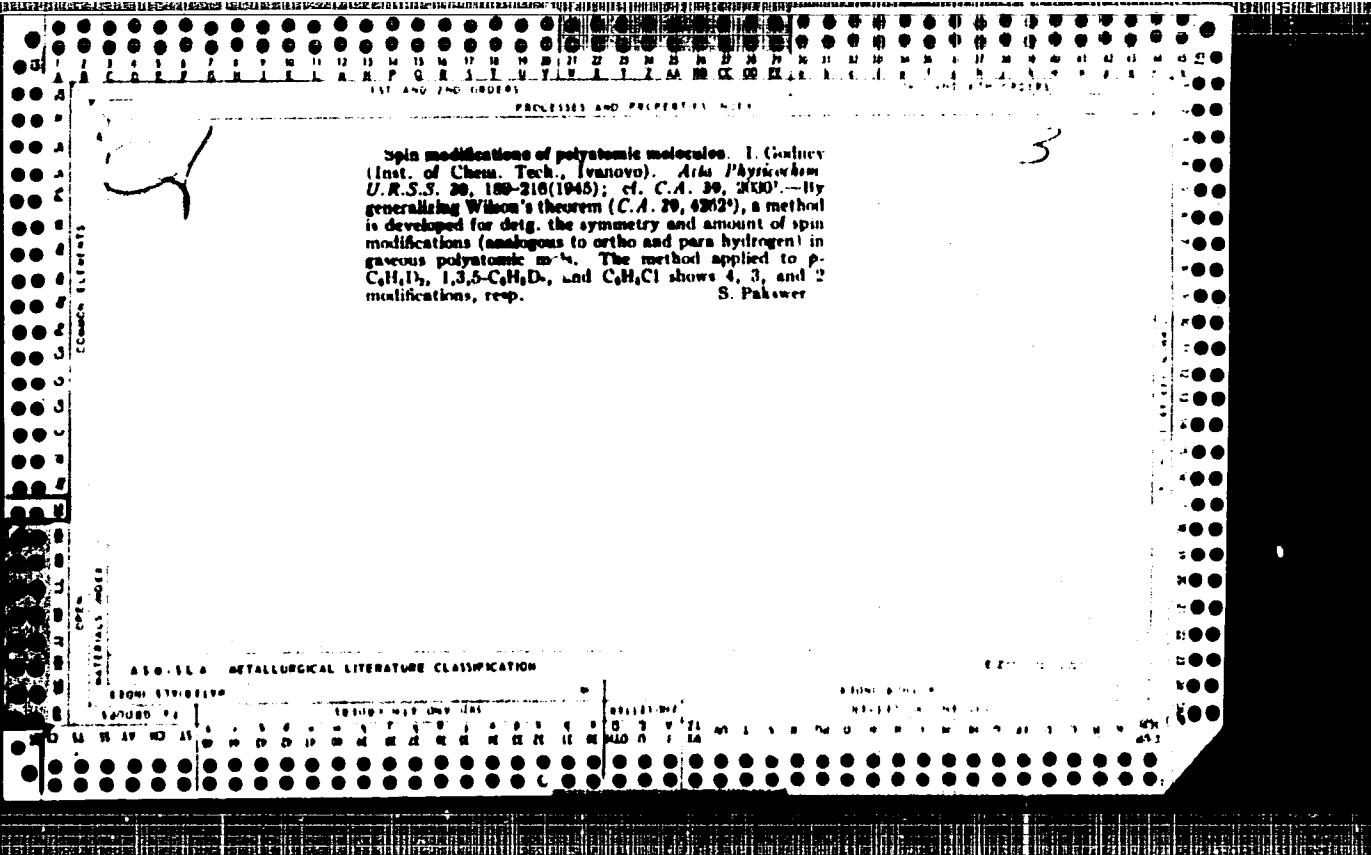
CIA-RDP86-00513R000615520007-5

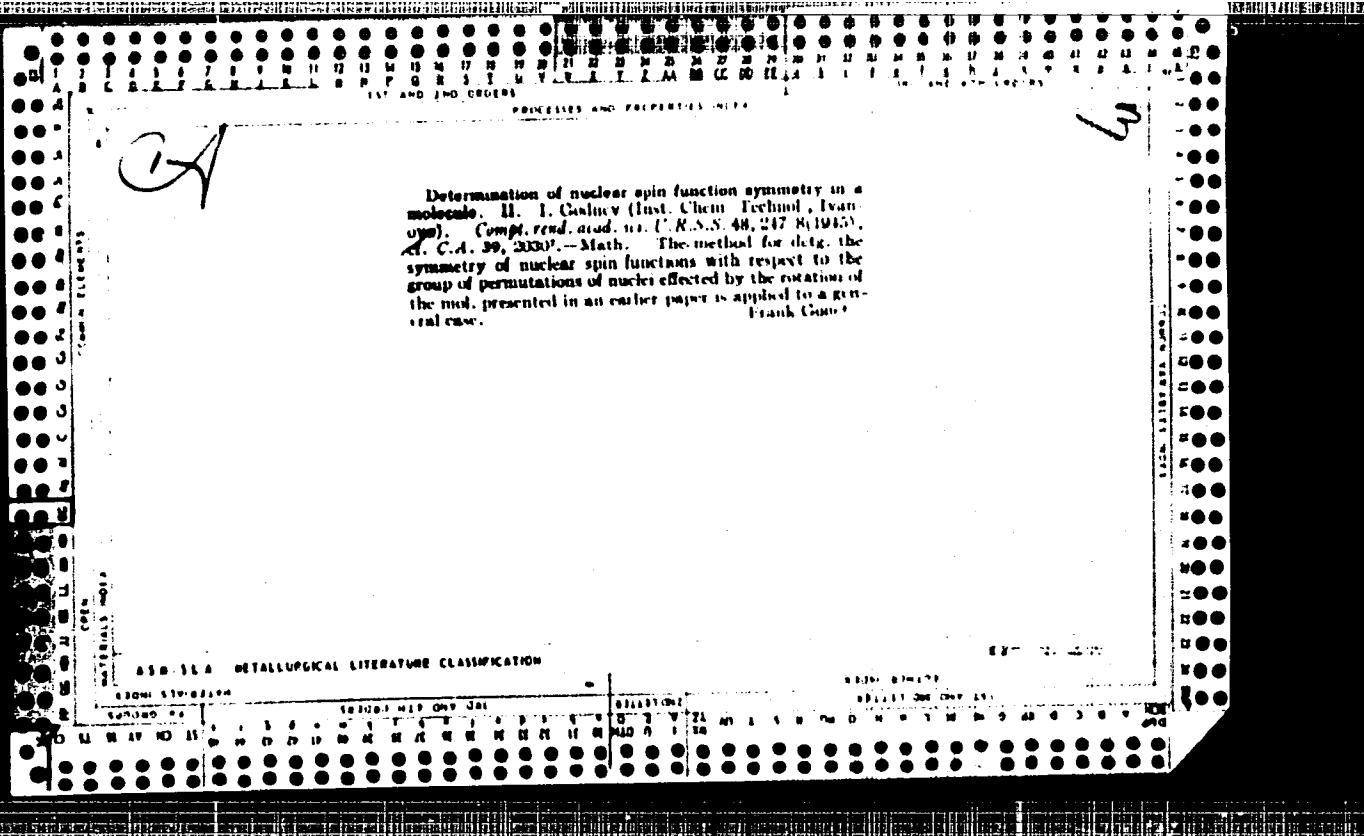
159 16

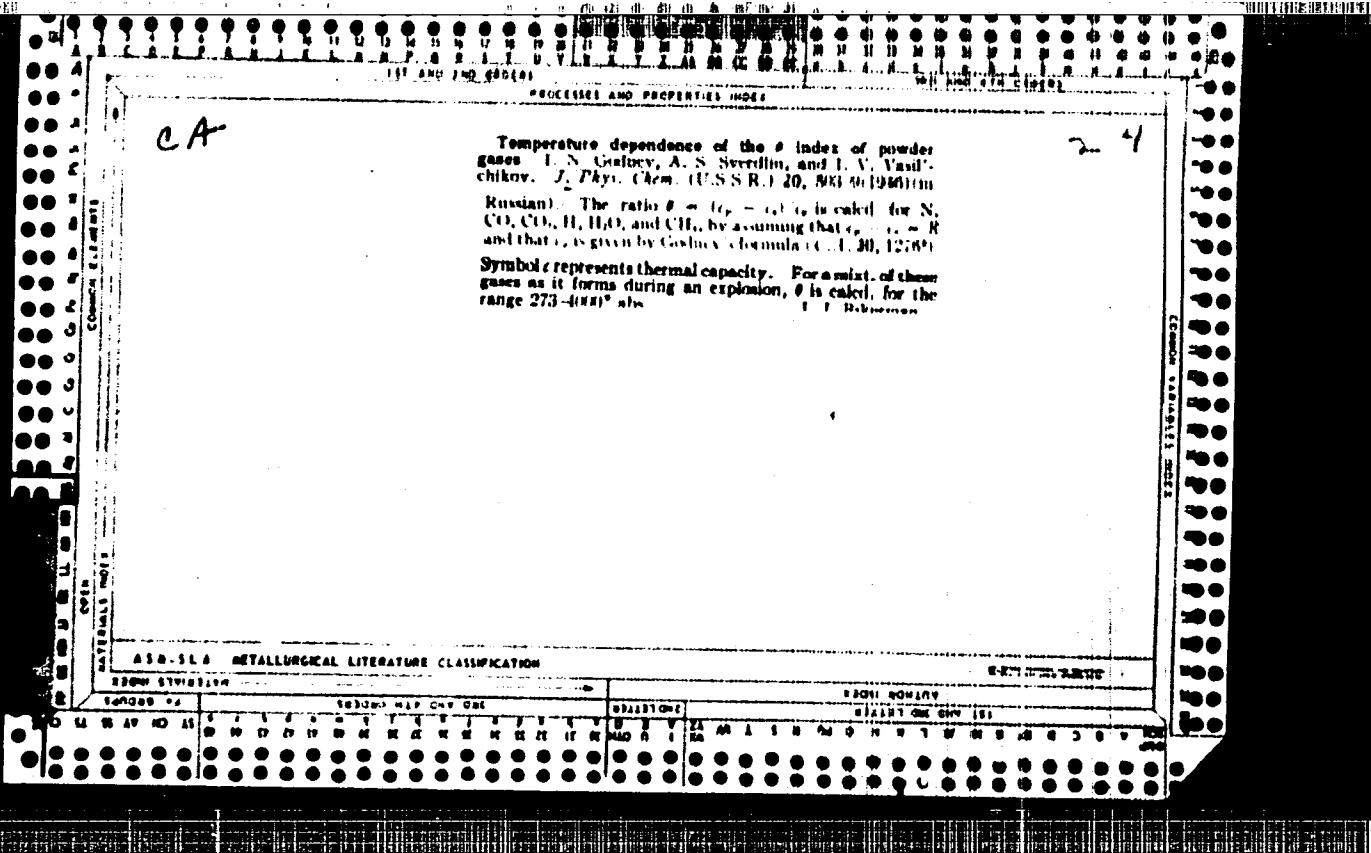
Determination of symmetry of certain spin-functions. I. Godunov
(*Compt. rend. Acad. Sci. U.R.S.S.*, 1964, **68**, 194-195; cf. *Voprosy
A.*, 1959, 1, 18).—Mathematical. An alternative method of com-
putation is reported.

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R000615520007-5"







GODNEV, I.

PA 54-30

Chemistry - Energy, Levels of

Nov/Dec 1946

"On the Determination of the Weights of Rotational Energy Levels of Polyatomic Molecules," I. Godnev,
Inst Chem Tech, Ivanovo, 14 pp

"Acta Physicochimica URSS" Vol III, No 6

Applies method of resolving irreducible representations of inner rotation group "E" into irreducible representations of group "R" to determine symmetry of rotational functions with respect to group of permutations equivalent to molecular rotations, allowing relationship to be established between classifications of Milliken and Wilson. Contains-

User/Chemistry - Energy, Levels of Nov/Dec 1946
(Contd)

54730

tion of rotational functions for group "R" isomer-D₂, C₂. Calculates weights of energy levels of E₆. Received, 26 Jan 1946.

54730

3

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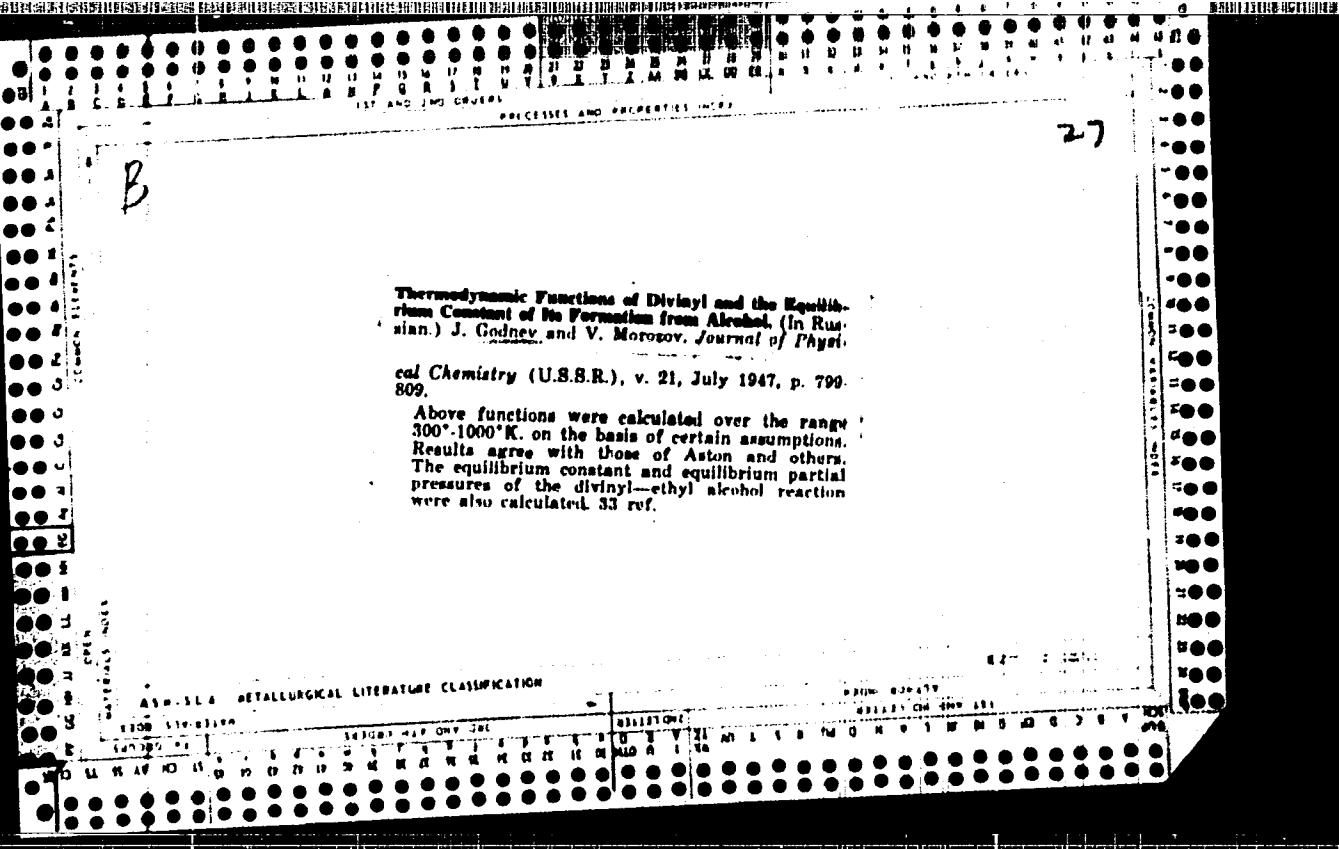
632. Equilibrium Constants for the Replacement of Hydrogen by Chlorine in Ethylene. M. N. Godnev and N. N. Filatova. 7 pages. 1947. Battelle Translation from *Reports of the Academy of Sciences of U.S.S.R.*, v. 62, no. 1, 1946, p. 43-46.

Describes the calculation of the free energies of the mono and dichloro derivatives of ethylene, and of the equilibrium constants of the above reactions for the production of vinyl chloride and dichloroethylene. Results are tabulated. 24 ref.

CLASSIFICATION
DATA SHEET

ASA-SLA METALLURGICAL LITERATURE CLASSIFICATION

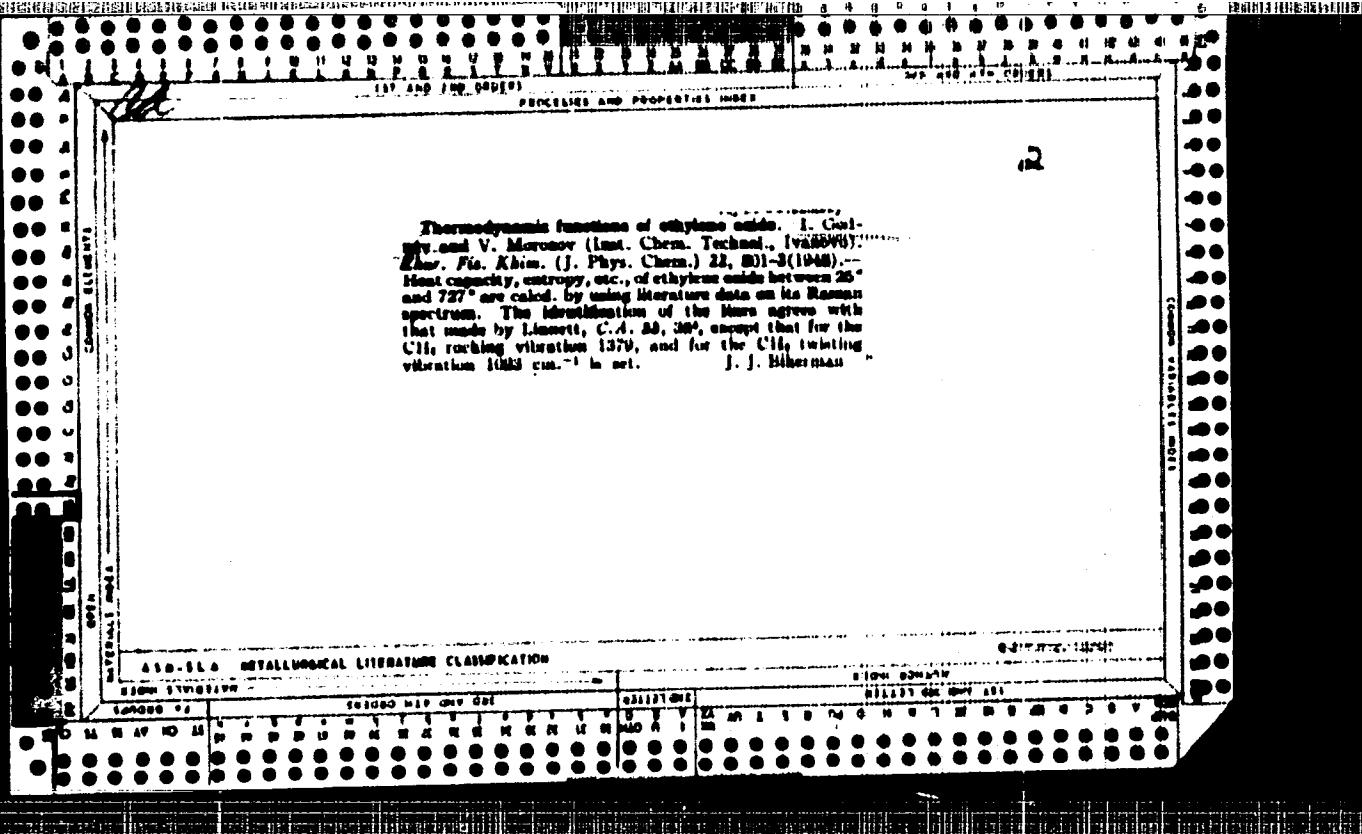
6-27-70-20007



G. Dn. V, I.
253:1

O Diffuzii Elektrolitov I O Metrike V'ychnicheniya.
Koeffitsienta Diffuzii Ionov, Sostavlyayuschikh Solt.
Zhurnalfiz. Khimi, 1948, vyp. 7, s. 871-84.
Bibliogr: s 884

SO: LFTOPIS NO. 30, 1948



CA

Thermodynamic functions of the chloroformates
N. Gulyayev and A. S. Sverdlin (Karpov Phys.-Chem.
Inst., Moscow), Zav. Pl. Khim. 26, 670-68 (1960).
That Flory and Fox's rule for the $\Delta_f H^\circ$ derive. of C_6H_6
(C.A. 57, 4807) holds also for the Cl derive. of hydro-
carbons provided the character of the unchlorinated part is
preserved, was proved for $H_2C:CHCl$ and $CH_2=CHCl-\delta$
 $CHCl$. The vibrational frequency was used, and the
thermodynamic functions of σ , m_2 and p - $Cl_2C_6H_4$ between
200 and 1000°K. were used. The cyclic p - $Cl_2C_6H_4$ and
 m - $Cl_2C_6H_4$ and p - $Cl_2C_6H_4$ were added, forming
various $\Delta_f G^\circ$. By using H_2Cl , CCl_4 , and p - $Cl_2C_6H_4$, the
(Proc. Energy of Org. Compds., ONTI, 1958) for the detn.
of the entropy of unide was shown. P. W. Haworth

CA

2

"Thermodynamic functions of chlorobenzene. I." N.
Gedrov, A. S. Gvardkin, and M. B. Savchenko (Chem.-Tech.
Inst., Ivanovo). *Zhur. Fiz. Khim.* 34, 817-12(1960);
cf. C.A. 54, 10476b.—With the use of Pitzer and Scott's
product rule, the data of Spenger and Kirby-Smith (C.A. 36,
7267) and of Kishimoto, et al. (C.A. 36, 6089b; 41, 6154d)
and symmetry considerations, the normal vibration fre-
quencies of chlorobenzene are detd. and tabulated. The
thermodynamic functions (gas, 1 atm, at standard state)
are calc'd. at 200°, 300 to 1000°K. at 100° intervals. The
results are: $-(H^\circ - H_0^\circ)/T = 61.24, 61.22, 66.70, 69.86,$
 $73.84, 77.42, 81.27, 84.80, 88.11;$ $(H^\circ - H_0^\circ)/T = 13.82,$
 $13.00, 14.87, 16.36, 18.22, 20.08, 20.59, 20.86, 22.86;$ S°
 $= 74.86, 78.01, 82.46, 80.11, 97.16, 103.71, 104.84, 115.86,$
 $120.27;$ $G^\circ = 23.20, 25.34, 30.30, 30.14, 40.00, 44.04,$
 $47.57, 50.12, 52.31.$ A discrepancy between calc'd. values
and the engl. data of Stoll (C.A. 52, 11417) is attributed
to the use by the latter of the method of Pitzer and Hoffmann
which has been shown to be unreliable (C.A. 56, 10476b).
The free energy of formation corresponding to: $1/2\text{Cl}_2 +$
 $2.5\text{H}_2\text{O} \rightarrow \text{C}_6\text{H}_5\text{Cl}$ at 200° is $\Delta f_{298}^\circ =$
 37.416 cal./mol. This value, however, is not precise, since
it rests upon an approx. value of Thomann (*Z. Physik. Chem.*
32, 342(1916)) for the heat of combustion. M. B.

MOROZOV, V.I., VASIL'CHIKOV, I.V.,
SVERDLIN, A.S., GODNEV, I.N.

Molecules

Force constants and action coefficients of the formaldehyde molecule. Zhur.fiz.khim.,
16, No. 6, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952. Unclassified.

GODNEY, F. N.

U S S R .

✓ Thermodynamic functions of halide products of methane
A. S. Gerasilin and I. N. Godney. *J. Chem. Physics*, **1963**; G. Stepanov,
(Ivanovo). *Zhur. Fiz. Khim. Poluprovod.*, **1963**; G. Stepanov,
C.A. **58**, 84134.—The literature on thermodynamic functions
of P and Br substitution products of CH₄ is critically dis-
cussed. Tables are given of the bond lengths, bond angles,
symmetry nos., moments of inertia, and vibration frequen-
cies of the mols. CH₃S, CH₃P, CHF, CF, CH₃Br, CH-
Br, CHBr, and CBr. The thermodynamic functions
 $-(\Phi^* - H^*)/T$, $(H^* - H_0^*)/T$, and C_v^* (vibrational and
total for each), as well as S^* for a series of temps. between
298 and 1000°K, are also tabulated for these compds. in the
ideal gaseous state at one atm. pressure. 24 references.
I. W. Lorrether, Jr.

GODNEV, I. N.

USER/Chemistry - Ammonia

Nov 53

"The Heat Capacity of Ammonia at Low Temperatures
and the Effect of the Double Minimum on Thermody-
namic Functions," I. N. Godnev, Phys-Chem Inst im
L. Ya. Karpov

Zhur Fiz Khim, Vol 27, No 11, pp 1702-1709

Investigated the effect of the double min on the
thermodynamic functions of NH_3 within wide range
of temps. Showed that this effect is small. Calcd
heat capacities and entropies of the spin modifica-
tions of NH_3 and of their equil mixt at low temps.

274722

Concludes from data obtained that when a high
potential barrier is present, ordinary methods may
be applied in calcg thermodynamic functions of mols
which have a hydrogen bond.

USSR/Chemistry - Physical chemistry

Card 1/1 : Pub. 22 - 26/44

Authors : Godnev, I. N., and Savogina, M. S.

Title : On the theory of specific heat of a non-associated polyatomic liquid

Periodical : Dok. AN SSSR 98/6, 983-984, October 21, 1954

Abstract : The possibility of an approximate calculation of the specific heat of a non-associated polyatomic liquid, existing at mean temperatures, is discussed. The frequency oscillations during the calculation of specific heat for chloroform, toluene and chlorobenzene, were determined on the basis of experimental data. Eight references: 6-USSR; 1-USA and 1-German (1914-1950). Table.

Institution : Chemical-Technological Institute, Ivanov

Presented by: Academician A. N. Frunkin, May 7, 1954

GODNEV, I. N.

USSR/ Physics

Card 1/1 Pub. 147 - 8/21

Authors : Sverdlin, A. S., and Godnev, I. N.

Title : Application of zero approximations and partial frequencies for an approximate solution of the molecular oscillation problem

Periodical : Zhur. fiz. khim. 29/10, 1807-1814, Oct 1955

Abstract : The problem of applying partial frequencies and diagonal zero approximations for the calculation of oscillation frequencies in a molecule was discussed. It was found that nine simple equations of motion correspond to diagonal zero approximations two of which can be interpreted as partial frequencies. Two other partial frequencies B_1^1 and M_1^1 were in total disagreement with the diagonal zero approximations. A certain natural zero approximation, introduced by M. A. Elyashevich and B. I. Stepanov, was found to be the most suitable of all the other zero approximations and partial frequencies. Twelve references: 10 USSR and 2 USA (1940-1953). Tables.

Institution : Ivanovo Chemicotechnological Inst.

Submitted : January 10, 1955

Годнев, И. Н. (Ivan Nikolaevich)

★ Годнев, И. Н. [Godnev, I. N.] Вычисление термодинамических функций по экспериментальным данным. [Computation of thermodynamic functions using experimental data.] Gosudarstv. Izdat. Tekn.-Teor. Lit., Moscow, 1956. 419 pp. 13.45 rubles.

The present rapid progress of technology demands a steady supply of numerical data on the thermodynamic properties of various substances. These can be obtained either experimentally or by calculation, from suitably established models, on the basis of statistical and quantum mechanics. The present volume attempts to collect in one place the most important Russian developments on this subject. Some references to Western work are included in the voluminous Bibliography containing 268 titles. References to Chapman and Cowling, to the work done by J. Hirschfelder and his associates and to the recent Nat. Bur. Standards "Tables of thermodynamic properties of gases" (published in 1956 but available in several reports since 1952) are conspicuously absent.

The subject matter covered by the book can be inferred from the titles of its fourteen chapters: 1. Fundamental equations of statistical thermodynamics; 2. Application of the fundamental equations of statistical thermodynamics to perfect gases; 3. Thermodynamic functions for monatomic gases; 4. Equations for the

13

Godfrey, T. N.

energy and state of diatomic gases. 5. Calculation of the thermodynamic properties of diatomic gases. 6. Classification and types of symmetry in polyatomic gases. 7. Equations for the rotational and vibrational energy of quasi-rigid molecules. 8. Calculation of the thermodynamic properties of (ensembles of) quasi-rigid molecules. 9. The thermodynamic properties of gases for the case of free rotation. 10. Calculation of the thermodynamic

properties of gases for the case of inhibited internal rotation. 11. Calculation of the thermodynamic properties of real gases, liquids, and solids with the aid of the corresponding functions in the perfect-gas state. 12. Calculation of chemical equilibria. 13. The calculation of the equilibrium constants for reactions involving molecules. 14. Tables.

The chapter on real gases (Chap. 11) is entirely based on the use of the Berthelot equation together with the classical equations of thermodynamics and ignores the existence of methods of evaluating virial coefficients by statistical considerations. The very important field of the calculation of transport properties is left unmentioned.

Godfrey, I.N.

The book is well written and succeeds in presenting its material in a simple, vivid manner, but the reader is left in the dark as to the quality of the agreement with measured data which may be expected from the calculations described. Admittedly, a systematic comparison between the various statistical approximations and existing experimental results, even for gases alone, would present formidable difficulties, but it is a task that is long overdue.

J. Kestin (Providence, R.I.)

36

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1. FW*